



BROADBAND PROPAGATION

Antenna Design & Supply

1-3 Adelaide Rd. Echunga
PO Box 529 Echunga
South Australia. 5153

Phone: (08) 8388 8132
Fax: (08) 8388 8536
Intl.Phone: (618) 8388 8132
Intl.Fax: (618) 8388 8536

ABN: 84 232 273 647

E-mail: sales@broadbandpropagation.com
Web: www.broadbandpropagation.com

BPV-30-108 VHF Vehicle Whip

This is a broadband antenna designed for high performance in the VHF band 30-108MHz. Power rating is 100 watts continuous, and gain over the band is comparable to a tuned $\frac{1}{4}$ wave whip antenna. Tuning is automatic and all tuning elements are incorporated within the antenna and base.

Fabricated from fibreglass, the antenna has high impact survival and is lightweight and rugged.

The antenna whip is used in conjunction with a rugged base unit with heavy duty stainless steel spring. The base is fitted with mounting holes of UK/Nato 6 hole, or USA 4 hole pattern.

Specifications

| | |
|--------------------|---|
| Frequency range: | 30 to 108 MHz (without tuner) |
| Power Rating: | 100 watts |
| Radiation pattern: | Omnidirectional (with some variation according to vehicle type and mounting position) |
| VSWR | Better than 3:1 across the band |
| Polarisation: | Vertical |
| Input Impedance: | 50 Ohms |
| Input connector: | BNC |
| Whip Diameter: | 12.5mm |
| Overall height: | 2.74m from bottom of whip. |
| Impact Survival: | Better than 100 impacts at the midpoint of the antenna at 40 kph. |
| Mounting: | UK/Nato 6 hole, or USA 4 hole pattern |
| Colour: | Matt Black overall |

